



Remarkably stable dinuclear, diamagnetic rhenium(VI) salts with the $[\text{ReOCl}_4\text{OREOCl}_4]^{2-}$ anion.

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A reaction leading reproducibly to the stable salts containing μ -oxido-bis{*cis*-tetrachloridooxidorhenate(VI)} anion (systematic name: μ -oxido-bis{(OC-6-32)-tetrachloridooxidorhenate(VI)} anion) was described. A series of phosphonium salts was prepared in crystalline form and a detailed investigation of the complex anion structure was performed. The magnetic and spectroscopic properties are discussed on the example of the methyltriphenylphosphonium salt.

Adres publiczny

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Strona internetowa wydawcy

<https://www.rsc.org/>